

November 12, 2014



U.S. Department  
of Transportation

East Building, PHH – 30  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

DOT-SP 14447  
(FOURTH REVISION)

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes DOT Specification cargo tank motor vehicles containing certain hazardous materials to be loaded and unloaded using specially designed hoses in lieu of being attended by a qualified person during loading and unloading operations. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 177.834(i) in that cargo tank loading and unloading operations may be performed using specially designed hoses in lieu of attendance by a qualified person, the marking requirements of § 172.302(c) are waived, and the requirement to mark the special permit number on shipping paper as required in § 172.203(a) is waived.
5. BASIS: This special permit is based on the application of Taminco US Inc., dated October 10, 2014 submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Hazardous Materials Description                      |                        |                       |                |
|--|------------------------|-----------------------|----------------|
| Proper Shipping Name                                 | Hazard Class/ Division | Identification Number | Packing Group  |
| Dimethylamine, anhydrous                             | 2.1                    | UN1032                | None           |
| Methylamine, anhydrous                               | 2.1                    | UN1061                | None           |
| Trimethylamine, anhydrous                            | 2.1                    | UN1032                | None           |
| Ammonia, anhydrous                                   | 2.2                    | UN1005                | Hazard Zone D  |
| Class 3 flammable liquids                            | 3                      | As appropriate        | As appropriate |
| Ammonium nitrate, liquid (hot concentrated solution) | 5.1                    | UN2426                | N/A            |
| 2- Dimethylaminoethanol acrylate                     | 6.1                    | UN3302                | II             |
| Tributylamine  | 6.1                    | UN2542                | II             |
| Class 8 corrosive materials                          | 8                      | As appropriate        | As appropriate |

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed are DOT Specification cargo tank motor vehicles authorized for the materials specified in paragraph 6 above and meeting all DOT specification requirements. Each cargo tank motor vehicles must be tested and inspected as specified in § 180.407.

b. OPERATIONAL CONTROLS -

(1) Hoses used for the loading/unloading operation must be: manufactured by Smart Hose Technologies, Inc.; equipped with an internal cable connected to "valve

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plungers" located on each end of the cable; and marked with the name of the manufacturer, the location (city and state) of the facility at which it is manufactured, and the date of manufacture.

(2) The cargo tank owner, shipper and consignee must data demonstrating that the hose being used to load/unload the cargo tank is compatible with the material being loaded or unloaded. The compatibility data must be provided to an authorized DOT inspector upon request.

(3) Each hose must be able to stop the flow of product from both the source and the receiving tank within one second without human intervention in the event of a hose rupture, disconnection or separation.

(4) Each loading facility must designate an employee or employees responsible for on-site monitoring of the loading/unloading operation. The designated employee(s) must be made familiar with the nature and properties of the product contained in a cargo tank being loaded/unloaded on site, the procedures to be followed in the event of an emergency, and, in the event of an emergency, have the ability and authority to take responsive actions. The loading/unloading operation must be inspected by one of the designated employees at least once every sixty (60) minutes and a log must be maintained documenting the times and dates of inspection. If more than one employee is "designated," during each shift or any other time when the cargo tank containing a hazardous material is being loaded/unloaded, the special permit holder must specify which of the designated employees is responsible for on-site monitoring of the loading/unloading operation.

(5) Prior to the first use of any hose, it must be tested in accordance with the written procedures and acceptance criteria established and provided by Smart Hose Technologies, Inc. and on file with the Approvals and Permits Division. Such written procedures must specify retest procedures and time frames for periodic requalification of each hose.

(6) Prior to each use, each hose must be inspected to ensure that it is of sound quality, without defects detectable through visual observation.

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8. SPECIAL PROVISIONS:

- a. The requirement to mark the special permit number on shipping papers as specified in § 172.203(a) is waived.
- b. The marking requirements of § 172.302(c) are waived.
- c. A current copy of this special permit must be maintained at each loading facility where this special permit is utilized. A current copy of this special permit must be made available to a DOT representative upon request.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: None as a requirement of this special permit.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security

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Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 B Immediate notice of certain hazardous materials incidents, and 171.16 B Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at [http://hazmat.dot.gov/sp\\_app/special\\_permits/spec\\_perm\\_index.htm](http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm) Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: LMajors/TG